

| QUERY CONTROL FORM | | RTIS USE ONLY | |
|-----------------------------------|-------------------------------|--------------------------------|--|
| Application No. <u>09/787,452</u> | Prepared by <u>Lois Stone</u> | Tracking Number <u>5891006</u> | |
| Examiner-GAU <u>Boyer - MSI</u> | Date <u>3/22/04</u> | Week Date <u>1/19/04</u> | |
| | No. of queries <u>1</u> | IFW | |

JACKET

| | | | |
|---------------------------|------------------------|--------------------|----------------|
| a. Serial No. | f. Foreign Priority | k. Print Claim(s) | p. PTO-1449 |
| b. Applicant(s) | g. Disclaimer | l. Print Fig. | q. PTOL-85b |
| <u>c. Continuing Data</u> | h. Microfiche Appendix | m. Searched Column | r. Abstract |
| d. PCT | i. Title | n. PTO-270/328 | s. Sheets/Figs |
| e. Domestic Priority | j. Claims Allowed | o. PTO-892 | t. Other |

SPECIFICATION

- a. Page Missing
- b. Text Continuity
- c. Holes through Data
- d. Other Missing Text
- e. Illegible Text
- f. Duplicate Text
- g. Brief Description
- h. Sequence Listing
- i. Appendix
- j. Amendments
- k. Other

MESSAGE Attention: PCT Legal Affairs Office 308-6515

PCT/US98/20223 is shown on the oath.
Should this be listed under continuing data
on the palm/bib sheet, and if so
given a relationship to this file.
Please advise.

There is no specific reference in the speci-
fication claiming benefit of 60/140088
or of PCT/US98/20223. Please provide if
claim(s) valid.

CLAIMS

- a. Claim(s) Missing
- b. Improper Dependency
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- e. Index Disagrees
- f. Punctuation
- g. Amendments
- h. Bracketing
- i. Missing Text
- j. Duplicate Text
- k. Other

Thank you,

initials W

RESPONSE

initials

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled Granular Detergent Compositions having Homogenous Particles and Process for Producing Same the specification of which

(check ☐ is attached hereto.
one) ☒ was filed on September 24, 1999 as
PCT International Application Serial No. PCT/US99/22395
and was amended on _____
(if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37 Code of Federal Regulations §1.56.

I hereby claim foreign priority benefits under Title 35 United States Code §119(a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT International application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed:

| Prior Foreign Application(s) | | | Priority Claimed | |
|------------------------------|-----------|------------------------|------------------------------|-----------------------------|
| (Number) | (Country) | (Day/Month/Year Filed) | <input type="checkbox"/> Yes | <input type="checkbox"/> No |

I hereby claim the benefit under Title 35, United States Code §119(e) of any United States provisional application(s) listed below.

| Application Serial No. | Filing Date | Application Serial No. | Filing Date |
|------------------------|---------------|------------------------|-------------|
| 60/140,088 | June 21, 1999 | | |

I hereby claim the benefit under Title 35 United States Code §120 of any United States application(s), or §365(c) of any PCT International application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35 United States Code §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37 Code of Federal Regulations §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

| U.S. Parent Application Number | PCT Parent Number | Parent Filing Date (MM/DD/YYYY) | Parent Patent Number (If applicable) |
|--------------------------------|-------------------|---------------------------------|--------------------------------------|
| | PCT/US98/20223 | September 25, 1998 | |

As named inventor, I hereby appoint the following registered practitioner(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

| Atty Name | Atty Reg Number. | Associate Power of Attorney Attached |
|-------------------|------------------|---|
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| Steven W. Miller | 31,984 | |
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| Timothy B. Guffey | 41,048 | |

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BIBDATASHEET

CONFIRMATION NO. 2162

Bib Data Sheet

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|---|---|---------------------------|---|-----------------------------------|----------------------------|
| SERIAL NUMBER 09/787,452 | FILING DATE 07/13/2001 RULE | CLASS 510 | GROUP ART UNIT 1751 | ATTORNEY DOCKET NO. 7628/DQ | |
| APPLICANTS Scott William Capeci, North Bend, OH; Mark William Ridvard, Heaton, ENG; Paur R. Mort III, Cincinnati, OH; ** CONTINUING DATA ***** This application is a 371 of PCT/US99/22395 09/24/1999 which claims benefit of 60/140,088 06/21/1999 ** FOREIGN APPLICATIONS ***** | | | | | |
| Foreign Priority claimed <input type="checkbox"/> yes <input type="checkbox"/> no 35 USC 119 (a-d) conditions met <input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after Allowance Verified and Acknowledged _____ Examiner's Signature _____ Initials _____ | | STATE OR COUNTRY OH | SHEETS DRAWING | TOTAL CLAIMS 18 | INDEPENDENT CLAIMS 2 |
| ADDRESS 27752 THE PROCTER & GAMBLE COMPANY INTELLECTUAL PROPERTY DIVISION WINTON HILL TECHNICAL CENTER - BOX 161 6110 CENTER HILL AVENUE CINCINNATI, OH 45224 | | | | | |
| TITLE GRANULAR DETERGENT COMPOSITIONS HAVING HOMOGENOUS PARTICLES AND PROCESS FOR PRODUCING SAME | | | | | |
| FILING FEE RECEIVED 1140 | FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following: | | <input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees (Filing) <input type="checkbox"/> 1.17 Fees (Processing Ext. of time) <input type="checkbox"/> 1.18 Fees (Issue) <input type="checkbox"/> Other _____ <input type="checkbox"/> Credit | | |

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INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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| (51) International Patent Classification ⁷ : C11D 17/06, 11/00 | A1 | (11) International Publication Number: WO 00/18877 (43) International Publication Date: 6 April 2000 (06.04.00) | | | | | | |
| (21) International Application Number: PCT/US99/22395 (22) International Filing Date: 24 September 1999 (24.09.99) (30) Priority Data: <table border="0"><tr><td>PCT/US98/20223</td><td>25 September 1998 (25.09.98)</td><td>US</td></tr><tr><td>60/140,088</td><td>21 June 1999 (21.06.99)</td><td>US</td></tr></table> (71) Applicant (for all designated States except US): THE PROCTER & GAMBLE COMPANY [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US). (72) Inventors; and (75) Inventors/Applicants (for US only): CAPECI, Scott, William [US/US]; 3285 Citation Lane, North Bend, OH 45052 (US). RIDYARD, Mark, William [GB/GB]; 42 Ravenswood Road, Heaton, Newcastle NE6 5TU (GB). MORT, Raul, R., III [GB/GB]; 510 Compton Road, Cincinnati, OH 45215 (US). (74) Agents: REED, T., David et al.; The Procter & Gamble Company, 5299 Spring Grove Avenue, Cincinnati, OH 45217-1087 (US). | | PCT/US98/20223 | 25 September 1998 (25.09.98) | US | 60/140,088 | 21 June 1999 (21.06.99) | US | (81) Designated States: AE, AL, AM, AT, AT (Utility model), AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, CZ (Utility model), DE, DE (Utility model), DK, DK (Utility model), DM, EE, EE (Utility model), ES, FI, FI (Utility model), GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KR (Utility model), KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK (Utility model), SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i> |
| PCT/US98/20223 | 25 September 1998 (25.09.98) | US | | | | | | |
| 60/140,088 | 21 June 1999 (21.06.99) | US | | | | | | |
| (54) Title: GRANULAR DETERGENT COMPOSITIONS HAVING HOMOGENOUS PARTICLES AND PROCESS FOR PRODUCING SAME (57) Abstract A detergent composition which has improved solubility or dissolution in laundering solutions, especially in solutions kept at cold temperatures (i.e., less than about 30 °C), is provided. The granular detergent composition is aesthetically pleasing to consumers and has improved flowability. The granular detergent composition has a homogeneity number of greater than 1 wherein the homogeneity number is defined by the equation $HN = X_{bulk}/X_{part}$. A process for producing the detergent is also provided. | | | | | | | | |